



Simple Snap Circuits

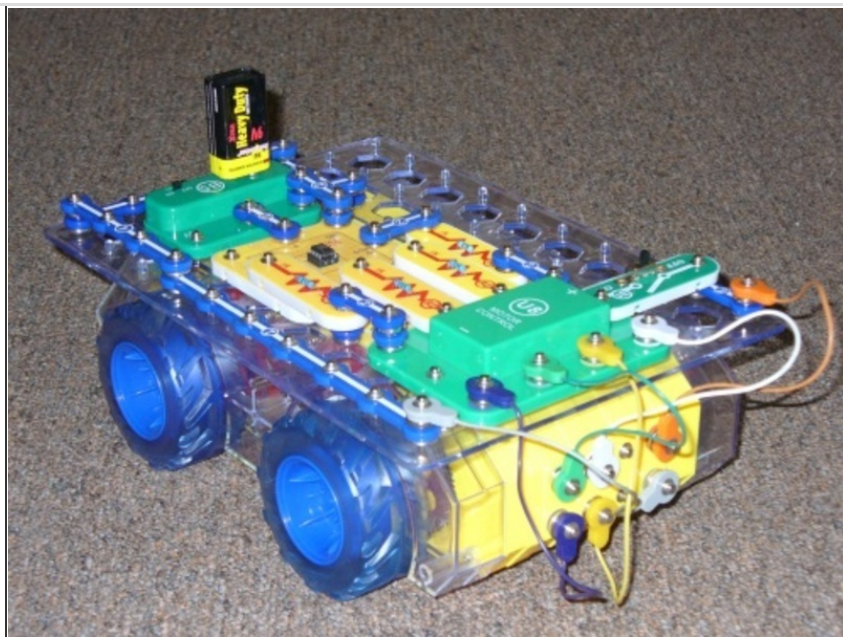
Programmable Robot

Written By: KRA5H

SUMMARY

In this Make:Project you will learn how to build a simple Snap Circuits programmable robot. First you will learn how to build a simple circuit using Snap Circuits to understand how easy it is to build an electronic circuit. Next you will build the Roverbot (what I call the Snap Circuits programmable robot). You will then learn how to program the Roverbot. Finally you will learn how to download the program to the Roverbot's brain and watch the Roverbot follow the commands of the program you wrote.

Step 1 — Simple Snap Circuits Programmable Robot



- Snap Circuits is an educational toy that teaches electronics with solderless snap-together electronic components. Each component has the schematic symbol and a label printed on its plastic case that is color coded for easy identification. They snap together with ordinary clothing snaps. The components also snap onto a 10 X 7 plastic base grid analogous to a solderless breadboard. There are several Snap Circuits kits that range from a few simple circuits to the largest kit that includes 750 electronic projects.
- To build my Roverbot, I used parts from three different sets, the Snap Circuits Motion Detector, Snap Circuits Rover, and Snap Circuits Micro. All the kits include manuals printed in color with easy to follow diagrams to assemble the projects. The illustrations for each project look almost exactly like what the components will look on the base grid when finished. Because the electronic symbol is printed on each electronic component, once the project is completed, it will look almost exactly like a printed electronic schematic.
- I designed my Roverbot to be easy to build and easy to program to inspire folks from 8 to 80 to get interested in robotics. For complete

instructions on how to build my Roverbot including parts list and programming, go to:
<http://www.instructables.com/id/Make-a-S...>

This document was last generated on 2012-11-02 07:10:36 PM.